

Weekly Report

Period: 09/02/2013 – 09/08/2013

Projects

This week, the climate group discussed the work need to be done in this month. See the work plan in the following figure.

负责人	工作内容	完成时间
朱标	并行可视化系统： 1. 部署Equalizer 2. 并行地球的绘制 3. 绘制资源及数据管理的实现	2013-09-15 (总结报告, 讨论可行性) 2013/10/15 2013/10/15
丁治宇	时变体数据的并行绘制 1. 参与地球的并行绘制 2. 时变气象体数据的绘制	
刘昊南	基于浏览器端可视化系统的实现 1. 场景管理的实现 2. 纹理资源的管理 3. 着色器程序管理 4. 绘制参数的管理：相机，坐标系切换（木卡托和笛卡尔坐标系）	2013/9/16 2013/9/25 2013/9/14 2013/9/16
肇昕	基于浏览器端交互界面及可视化系统的实现 1. 事件管理的实现 2. 界面的设计与实现：5大种类数据的选择，气象变量的选择，可视化方法的选择，坐标系类型的选择，特定点位的搜索选择 3. 相机参数的管理	2013/9/16 2013/09/20(设计文档并小组讨论)
梅鸿辉	参与完成可视化系统的实现 1. 遥感数据的绘制	

Research

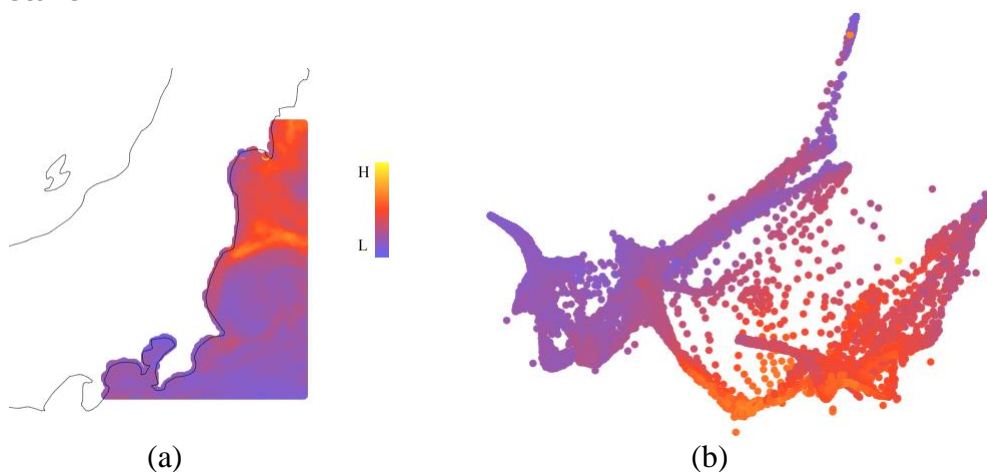


Figure 1 The resulting projection of the ocean dataset. (a) The geo map of this dataset. (b) The result of our uncertainty-aware projection.

This week, I tried the ocean dataset provided by Prof. Zhang. The result can be found in Figure 1. However, no quite interesting results can be found and it is hard to interpret. Thus, I choose to use NBA player dataset in our paper. However, this dataset can be used as our following research project.

In addition, I also used more color maps to update the results in our paper. And a video showing the effect of different dissimilarity weights are also incorporated in our paper. More updates can be found in our paper.

Work to be done in next week

- Finish the experts evaluation part of our paper
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Reference: